

From: Plowright, Raina [raina.plowright@montana.edu]
Sent: Friday, April 24, 2020 11:14 AM
To: John Rice [john.rice@noboxes.org]
Subject: Re: Do you know this Group and its MSM consortium? WITH LINK THIS TIME
Attachments: Zhang et al. 2012 Science bat flight immunity.pdf

From: John Rice <john.rice@noboxes.org>
Date: Friday, April 24, 2020 at 11:10 AM
To: Raina Plowright <raina.plowright@montana.edu>
Subject: Re: Do you know this Group and its MSM consortium? WITH LINK THIS TIME

Yes! Exact term, Comparative, I was thinking about last night.
May be a path to funding. Can talk for a minute later.

But can't get the whole paper. Not a member.

John

"The faster we go in the wrong direction, the sooner we can get further from where we need to be." John Rice

"To know that we know what we know, and to know that we do not know what we do not know, that is true knowledge."
Nicolaus Copernicus 1473-1543

"Leisure without study is death; it is a tomb for the living man."
Lucius Annaeus Seneca (4 BC - AD 65)

Typed with two thumbs on my iPhone. [REDACTED]

On Apr 23, 2020, at 23:05, Plowright, Raina <raina.plowright@montana.edu>
wrote:

You might like this paper:

Comparative analysis of **bat** genomes provides insight into the evolution of **flight** and immunity

From: John Rice <john.rice@noboxes.org>

Date: Thursday, April 23, 2020 at 7:06 PM

To: Raina Plowright <raina.plowright@montana.edu>

Subject: Re: Do you know this Group and its MSM consortium?
WITH LINK THIS TIME

Rhetorical question for today. Might the capability of bat cells to stave off, mitigate, or repair the oxidative damage expected from energy consumption needed to fly, be related to why bats do not get sick from coronaviruses?

Can't not think about bats now. Going batty.

Read the paper your team did on corona virus survival. Would love to see what same looked like at 2-3 different ambient and surface temperatures. Wish they had reported the Temp and humidity for the experiments they did. Sure hope what Weber it was was controlled and was the same for all surfaces tested.

Sleep well. Need to stop thinking so that I can also.

Thank you again for a great week of learning new stuff.

Respectfully

John

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Typed with two thumbs on my iPhone. [REDACTED]

On Apr 22, 2020, at 21:01, Plowright, Raina
<raina.plowright@montana.edu> wrote:

Yes – look on our web page and somewhere we have a special issue in Phil Trans B. In there are some papers on modeling viral dynamics – one on ‘whats stirring in the reservoir’.

Someone else just asked me about body temperature of a bat – 2nd in one day!!!

From: John Rice <john.rice@noboxes.org>

Date: Wednesday, April 22, 2020 at 6:12 PM

To: Raina Plowright
<raina.plowright@montana.edu>

Subject: Re: Do you know this Group and its MSM consortium? WITH LINK THIS TIME

Ahh. Any papers on any of the models?
Descriptive not formulas .

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Typed with two thumbs on my iPhone. [REDACTED]
[REDACTED]

On Apr 22, 2020, at 18:31,
Plowright, Raina
<raina.plowright@montana.edu
> wrote:

When I think of diffusion models, I think of models of how things move across landscapes. It is one way to model a transmission process. We are not working with diffusion models but rather less spatial population process models (compartmental models – SIR models). Also machine learning models.

From: John Rice
<john.rice@noboxes.org>
Date: Wednesday, April 22, 2020 at 2:01 PM
To: Raina Plowright
<raina.plowright@montana.edu>
Subject: Do you know this Group and its MSM consortium? WITH LINK THIS TIME

<https://www.imagwiki.nibib.nih.gov/>

Reading your papers.

Are any of your team actually doing disease virological, or pathogen diffusion models? I know I heard you use the term "multiscale, today or maybe during PPFST meeting. When you say multiscale modeling do you mean the same thing as the NIH IMAG MSM folks?

Respectfully
John

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